

## Report of Analysis

Submission: 2004-003828-NYHB  
Customer: Sprague  
Terminal: Sprague Rensselaer, NY  
Vessel: T/B B-105  
Product: #6 Fuel Oil  
Date Received: 4-Sep-04  
Date Analyzed: 4-Sep-04  
Date Reported: 7-Sep-04

Lab Reference : 2004-003828-NYHB-002			
Sample Designated As : Shore Tank 15 After Discharge Upper NO. 6 FUEL OIL			
Method	Test	Results	Units
D4052	API Gravity @ 60 Deg F	11.3	deg API
D4294	Sulfur	1.52	Wt %

Lab Reference : 2004-003828-NYHB-003			
Sample Designated As : Shore Tank 15 After Discharge Middle NO. 6 FUEL OIL			
Method	Test	Results	Units
D4052	API Gravity @ 60 Deg F	11.4	deg API
D4294	Sulfur	1.51	Wt %

Lab Reference : 2004-003828-NYHB-004			
Sample Designated As : Shore Tank 15 After Discharge Lower NO. 6 FUEL OIL			
Method	Test	Results	Units
D4052	API Gravity @ 60 Deg F	11.3	deg API
D4294	Sulfur	1.44	Wt %

Lab Reference : 2004-003828-NYHB-005			
Sample Designated As : Shore Tank 15 After Discharge Running NO. 6 FUEL OIL			
Method	Test	Results	Units
D4052	API Gravity @ 60 Deg F	11.3	deg API
D4294	Sulfur	1.48	Wt %

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.

## Report of Analysis

Submission: 2004-003828-NYHB  
Customer: Sprague  
Terminal: Sprague Rensselaer, NY  
Vessel: T\B B-105  
Product: #6 Fuel Oil  
Date Received: 4-Sep-04  
Date Analyzed: 4-Sep-04  
Date Reported: 7-Sep-04

Lab Reference : 2004-003828-NYHB-006			
Sample Designated As : Shore Tank 15 After Discharge Equal UML Composite NO. 6 FUEL OIL			
Method	Test	Results	Units
D4052	API Gravity @ 60 Deg F	11.4	deg API
D93 method B	Corrected Flash Point	>200	deg F
D445 at 122 deg F	Kinematic Viscosity @ 122°F	400.0	cSt
D2161	Saybolt Furol Viscosity @ 122 °F	188.8	SFS
D97	Pour Point	-3	deg C
D97	Pour Point	27	deg F
D4294	Sulfur	1.47	Wt %
D1796	Sediment and Water	0.4	Vol %
D95	Water	0.8	Vol %
D482 @ 775 deg C	Ash @ 775 deg C	0.059	Wt %
D5708 Method A	Sodium	25.4	mg / kg
D5708 Method A	Vanadium	103	mg / kg
D240	Gross Heat of Combustion	18091	BTU / lb
D240	Gross Heat of Combustion	149196	BTU / gal
D3279	Asphaltene / n-Heptane Insoluble	7.56	Wt %
D4530	Micro Carbon Residue	13.9	Wt %
D473	Sediment by Extraction	0.05	Wt %
D5762	Nitrogen	0.47	Wt %

On File  
Intertek Caleb Brett

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.